

CLAIM 75. An oscillating sprinkler unit, comprising:

a sprinkler head mounted for rotation about a first axis;  
a drive motor;

a reversible gear train for drivingly connecting said drive motor for driving said sprinkler head in alternate directions, comprising final drive gear means connected to said sprinkler head, shiftable drive means comprising alternately operable terminal gear means and carrier means for carrying said terminal gear means and shiftable to alternately engageable positions with said final drive gear means for driving said sprinkler head in alternate directions;

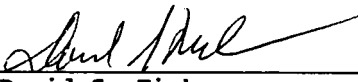
shifting arm means pivotally mounted adjacent said carrier means and movable between alternate shifting positions by engagement with shoulder means carried by said final drive gear means, and lost motion means for connecting said shifting arm means with said carrier means for shifting said carrier means between said alternately engageable positions upon movement of said shifting arm means between said alternate shifting positions;

first over-center biasing means for maintaining said carrier means in a selected one of said alternately engageable positions until positively shifted therefrom by said shifting arm means;  
and

second over-center biasing means for maintaining said shifting arm means in a selected one of alternate shifting positions until engagement by said shoulder means.

Respectfully submitted,

CARL L. C. KAH, JR.

By:   
David S. Fishman  
Registration No. 19,758

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Address: 360 Bloomfield Avenue, Windsor, Connecticut 06095  
Telephone: (203) 688-4470